

ELECTION OF CLAIMS

In further response to all restriction/election requirements, the invention of Group II, encompassing claims 7-17 and 22-34, is designated for further examination.

In response to the Office's species restriction of A(a-b), Applicants elect species A(a), which is a naphthoquinone derivative. Claims 22-34 are readable on the A(a) elected species and are designated for further examination.

In response to the Office's sub-species restriction of A(a)(i)(a-b), Applicants elect species A(a)(i)(b), which is a 2-methyl-1,4-naphthoquinone (VK3) derivative. Claims 23-34 are readable on the A(a)(i)(b) elected sub-species and are designated for further examination.

In response to the Office's sub-sub-species restriction of A(a)(i)(b)(Xa-Xp), Applicants ***provisionally elect, with traverse***, species A(a)(i)(b)(Xb), which is a 2-methyl-1,4-naphthoquinone (VK3) derivative modified with a carboxyl functional group capable of bonding with a polymer or enzyme. Claims 26-34 are readable on the A(a)(i)(b)(Xb) elected sub-sub-species and are designated for further examination.

In response to the Office's sub-sub-sub-species restriction of A(a)(i)(b)(X)(AA1-AA3), Applicants ***provisionally elect, with traverse***, species A(a)(i)(b)(X)(AA1), which is 2-(3-carboxypropyl)-3-methyl-1,4-naphthoquinone (CPVK3), represented by formula (1) in the specification. Claims 32-34 are readable on the A(a)(i)(b)(X)(AA1) elected sub-sub-sub-species and are designated for further examination.

In response to the Office's species restriction B(a-b), Applicants elect species B(b), which is an immobilized enzyme. Claims 8-15 and 34 are readable on the B(b) elected species and are designated for further examination.

In response to the Office's *amended* species restriction C(a-e), Applicants provisionally elect species C(b), which is "two enzymes". Claims 10-11 are readable on the C(b) elected species and are designated for further examination. **Please see *infra* for remarks concerning species restriction C(a-e) and the present Notice of Non-Compliant Amendment.**

In response to the Office's species restriction D(a-b), Applicants elect species D(a), which is further comprising NADH immobilized. Claims 12 and 34 are readable on the D(a) elected species and are designated for further examination.

In response to the Office's species restriction E(m-n), Applicants elect species E(m), which is comprising the mediator and the enzyme immobilized on the electrode by a polymer and a crosslinking agent. Claims 13 and 34 are readable on the E(m) elected species and are designated for further examination.

In response to the Office's species restriction F(p-q), Applicants elect species F(p), which is polyvinylimidazole. Claims 14 and 34 are readable on the F(p) elected species and are designated for further examination.

In response to the Office's species restriction G(i-ii), Applicants elect species G(i), which is polyethylene glycol diglycidyl ether. Claims 15 and 34 are readable on the G(i) elected species and are designated for further examination.

In response to the Office's species restriction H(o-p), Applicants elect species H(o), which is an oxygen separation membrane. Claims 16 and 34 are readable on the H(o) elected species and are designated for further examination.

Applicants hereby incorporate all prior restriction traversals of record for species restriction A(a)(i)(b)(Xa-Xp) and A(a)(i)(b)(X)(AA1-AA3) from the response of March 15, 2007 and the February 8, 2007 and respectfully request the Office to respond thereto.